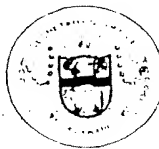


State of Delaware
Office of the Secretary of State PAGE 1

COPY

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE RESTATED CERTIFICATE OF "ROAMPAGE, INC.", CHANGING ITS NAME FROM "ROAMPAGE, INC." TO "VISTO CORPORATION", FILED IN THIS OFFICE ON THE TWELFTH DAY OF AUGUST, A.D. 1997, AT 9 O'CLOCK A.M.

A CERTIFIED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE KENT COUNTY RECORDER OF DEEDS FOR RECORDING.



Edward J. Freel
Edward J. Freel, Secretary of State

2645765 8100

AUTHENTICATION 8602357

971269028

DATE 08-12-97

FOURTH AMENDED AND RESTATED
CERTIFICATE OF INCORPORATION
OF
ROAMPAGE, INC.

COPY

(Pursuant to Sections 228, 242 and 245 of the
General Corporation Law of the State of Delaware)

RoamPage, Inc., a corporation organized and existing under and by virtue of the provisions of the General Corporation Law of the State of Delaware (the "General Corporation Law"),

DOES HEREBY CERTIFY:

FIRST: That this corporation was originally incorporated pursuant to the General Corporation Law on July 22, 1996 under the name of RoamPage, Inc.

SECOND: That the Board of Directors duly adopted resolutions proposing to amend and restate the Certificate of Incorporation of this corporation, declaring said amendment and restatement to be advisable and in the best interests of this corporation and its stockholders, and authorizing the appropriate officers of this corporation to solicit the consent of the stockholders therefor, which resolution setting forth the proposed amendment and restatement is as follows:

RESOLVED, that the Certificate of Incorporation of this corporation be amended and restated in its entirety as follows:

ARTICLE I

The name of this corporation is Visto Corporation.

ARTICLE II

The address of the Corporation's registered office in the State of Delaware is 15 E. North Street in the City of Dover, 19901, County of Kent. The name of the corporation's registered agent at such address is Incorporating Services, Ltd.

ARTICLE III

The nature of the business or purposes to be conducted or promoted is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of Delaware.

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 09:00 AM 08/12/1997
971269028 - 2645765

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ARTICLE IV

(A) Classes of Stock. This corporation is authorized to issue two classes of stock, to be designated, respectively, "Common Stock" and "Preferred Stock." The total number of shares that this corporation is authorized to issue is Thirty-two Million (32,000,000). Twenty Million (20,000,000) shares shall be Common Stock, par value \$.0001 per share, and Twelve Million (12,000,000) shares shall be Preferred Stock, par value \$.0001 per share. Following the adoption of this Fourth Amended and Restated Certificate of Incorporation, each outstanding share of the Common Stock of this corporation shall automatically be split into two (2) shares of Common Stock and each outstanding share of the Series A Preferred Stock and Series B Preferred Stock of this corporation shall automatically be split into two (2) shares of Series A Preferred Stock and Series B preferred Stock, respectively.

(B) Rights, Preferences and Restrictions of the Preferred Stock. The Preferred Stock authorized by this Amended and Restated Certificate of Incorporation may be issued from time to time in one or more series. The rights, preferences, privileges, and restrictions granted to and imposed on the Series A Preferred Stock, which series shall consist of Four Million Four Hundred Forty-five Thousand (4,445,000) shares (the "Series A Preferred Stock"), and the Series B Preferred Stock, which series shall consist of Four Million Five Hundred Thousand (4,500,000) shares (the "Series B Preferred Stock"), are as set forth below in this Article IV(B). The Board of Directors is hereby authorized to fix or alter the rights, preferences, privileges and restrictions granted to or imposed upon additional series of Preferred Stock, and the number of shares constituting any such series and the designation thereof, or of any of them. Subject to compliance with applicable protective voting rights which have been or may be granted to the Preferred Stock or series thereof in Certificates of Determination or this corporation's Certificate of Incorporation ("Protective Provisions"), but notwithstanding any other rights of the Preferred Stock or any series thereof, the rights, privileges, preferences and restrictions of any such additional series may be subordinated to, *pari passu* with (including, without limitation, inclusion in provisions with respect to liquidation and acquisition preferences, redemption and/or approval of matters by vote or written consent), or senior to any of those of any present or future class or series of Preferred or Common Stock. Subject to compliance with applicable Protective Provisions, the Board of Directors is also authorized to increase or decrease the number of shares of any series (other than the Series A Preferred Stock and the Series B Preferred Stock), prior or subsequent to the issue of that series, but not below the number of shares of such series then outstanding. In case the number of shares of any series shall be so decreased, the shares constituting such decrease shall resume the status which they had prior to the adoption of the resolution originally fixing the number of shares of such series.

1. Dividend Provisions.

(a) Subject to the rights of series of Preferred Stock that may from time to time come into existence, the holders of the Series A Preferred Stock and Series B Preferred Stock shall be entitled to receive dividends, out of any assets legally available therefor, prior and in preference to any declaration or payment of any dividend (payable other than in Common Stock or other securities and rights convertible into or entitling the holder thereof to receive,

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directly or indirectly, additional shares of Common Stock of this corporation) on the Common Stock of this corporation, at the rate of (i) in the case of Series A Preferred Stock \$0.02 per share per annum (as adjusted for stock splits, stock dividends, combinations, recapitalizations or the like after the date hereof) and (ii) in the case of Series B Preferred Stock \$0.0728 per share per annum (as adjusted for stock splits, stock dividends, combinations, recapitalizations or the like after the date hereof) or, if greater (as determined on a per annum basis and an as-converted basis for the Series A Preferred Stock and Series B Preferred Stock), an amount equal to that paid on any other outstanding shares of this corporation, payable when, as, and if declared by the Board of Directors. Such dividends shall not be cumulative.

(b) After payment of such dividends, any additional dividends or distributions shall be distributed among all holders of Common Stock and all holders of Series A Preferred Stock or Series B Preferred Stock in proportion to the number of shares of Common Stock which would be held by each such holder if all shares of Series A Preferred Stock and Series B Preferred Stock were converted to Common Stock at the then effective conversion rate.

2. Liquidation Preference

(a) In the event of any liquidation, dissolution or winding up of this corporation, either voluntary or involuntary, subject to the rights of series of Preferred Stock that may from time to time come into existence, the holders of Series B Preferred Stock shall be entitled to receive, prior and in preference to any distribution of any of the assets of this corporation to the holders of Series A Preferred Stock or Common Stock by reason of their ownership thereof, an amount per share equal to the sum of (i) \$0.91 for each outstanding share of Series B Preferred Stock (the "Original Series B Issue Price") (as adjusted for stock splits, stock dividends, combinations, recapitalizations or the like after the date hereof), and (ii) an amount equal to declared but unpaid dividends on such share. If upon the occurrence of such event, the assets and funds thus distributed among the holders of the Series B Preferred Stock shall be insufficient to permit the payment to such holders of the full aforesaid preferential amounts, then, subject to the rights of series of Preferred Stock that may from time to time come into existence, the entire assets and funds of this corporation legally available for distribution shall be distributed ratably among the holders of the Series B Preferred Stock in proportion to the preferential amount each such holder is otherwise entitled to receive.

(b) Upon the completion of the distribution required by subsection (a), the holders of Series A Preferred Stock shall be entitled to receive, prior and in preference to any distribution of any of the assets of this corporation to the holders of Common Stock by reason of their ownership thereof, an amount per share equal to the sum of (i) \$0.25 for each outstanding share of Series A Preferred Stock (the "Original Series A Issue Price") (as adjusted for stock splits, stock dividends, combinations, recapitalizations or the like after the date hereof) and (ii) an amount equal to declared but unpaid dividends on such share. If upon the occurrence of such event, the assets and funds thus distributed among the holders of the Series A Preferred Stock shall be insufficient to permit the payment to such holders of the full aforesaid preferential amounts, then, subject to the rights of series of Preferred Stock that may from time to time come into existence, the entire assets and funds of this corporation legally available for distribution

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shall be distributed ratably among the holders of the Series A Preferred Stock in proportion to the preferential amount each such holder is otherwise entitled to receive.

(c) Upon the completion of the distributions required by subsections 2(a) and 2(b) and any other distribution that may be required with respect to series of Preferred Stock that may from time to time come into existence and subject to the rights of series of Preferred Stock that may from time to time come into existence, if assets remain in this corporation, the holders of the Series A Preferred Stock, the Series B Preferred Stock and Common Stock of this Corporation shall be entitled to receive all of the remaining assets of this corporation pro rata based on the number of shares of Common Stock held by each (assuming conversion of all such Series A Preferred Stock and Series B Preferred Stock) until the holders of Series B Preferred Stock have received an aggregate of \$3.64 per share (as adjusted for stock splits, stock dividends, combinations, recapitalizations or the like after the date hereof) (including amounts previously paid pursuant to subsection (a) of this Section 2).

(d) Upon completion of the distributions required by subsections 2(a), 2(b) and 2(c) and any other distribution that may be required with respect to series of Preferred Stock that may from time to time come into existence and subject to the rights of series of Preferred Stock that may from time to time come into existence, if assets remain in the corporation, the holders of the Common Stock shall receive all of the remaining assets of this corporation pro rata based on the number of shares of Common Stock held by each.

(e) (i) For purposes of this Section 2, a liquidation, dissolution or winding up of the corporation shall, unless holders of sixty-seven percent (67%) of the then outstanding shares of Series A Preferred Stock and Series B Preferred Stock voting as separate series and on an as converted basis elect otherwise, be deemed to be occasioned by, or to include, (A) the acquisition of the corporation by another entity by means of any transaction or series of related transactions (including, without limitation, any reorganization, merger or consolidation but, excluding any merger effected exclusively for the purpose of changing the domicile of the corporation) that results in the transfer of fifty percent (50%) or more of the outstanding voting power of the corporation; or (B) a sale of all or substantially all of the assets of the corporation.

(ii) In any of such events, if the consideration received by this corporation is other than cash, its value will be deemed its fair market value, as determined in good faith by the Board of Directors of this corporation. Any securities shall be valued as follows:

(A) If traded on a securities exchange or through the Nasdaq National Market, the value shall be deemed to be the average of the closing prices of the securities on such exchange over the thirty (30) day period ending three (3) days prior to the closing of the applicable transaction;

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(B) If actively traded over-the-counter, the value shall be deemed to be the average of the closing bid or sale prices (whichever is applicable) over the thirty (30) day period ending three (3) days prior to the closing of the applicable transaction; and

(C) If there is no active public market, the value shall be the fair market value thereof, as determined in good faith by the Board of Directors of this corporation.

3. Redemption. The Preferred Stock is not redeemable.

4. Conversion. The holders of the Preferred Stock shall have conversion rights as follows (the "Conversion Rights"):

(a) Right to Convert. Each share of Preferred Stock shall be convertible, at the option of the holder thereof, at any time after the date of issuance of such share at the office of the corporation or any transfer agent for such stock, into such number of fully paid and nonassessable shares of Common Stock as is determined by dividing the Original Issue Price by the Conversion Price applicable to such share, determined as hereafter provided, in effect on the date the certificate is surrendered for conversion. The initial Conversion Price per share for shares of Series A Preferred Stock and Series B Preferred Stock shall be the applicable Original Issue Price for such series; provided, however, that the Conversion Price for the Preferred Stock shall be subject to adjustment as set forth in subsection 4(d).

(b) Automatic Conversion. Each share of Preferred Stock shall automatically be converted into shares of Common Stock at the Conversion Price at the time in effect for such Preferred Stock immediately upon the earlier of (i) except as provided below in subsection 4(c), the consummation of the sale of this corporation's Common Stock in a firm commitment underwritten public offering pursuant to a registration statement under the Securities Act of 1933, as amended, the public offering price of which was not less than \$10,000,000 in the aggregate and not less than \$4.00 per share (as adjusted for stock splits, stock dividends, combinations, recapitalizations or the like after the date hereof) or (ii) with respect to the Series A Preferred Stock or the Series B Preferred Stock, the date specified by written consent or agreement of the holders of a majority of the then outstanding shares of such Series A Preferred Stock or Series B Preferred Stock (voting as separate series, and on an as-converted basis).

(c) Mechanics of Conversion. Before any holder of Preferred Stock shall be entitled to convert the same into shares of Common Stock, he shall surrender the certificate or certificates therefor, duly endorsed, at the office of the corporation or of any transfer agent for the Preferred Stock, and shall give written notice to the corporation at its principal corporate office, of the election to convert the same and shall state therein the name or names in which the certificate or certificates for shares of Common Stock are to be issued. The corporation shall, as soon as practicable thereafter, issue and deliver at such office to such holder of Preferred Stock, or to the nominee or nominees of such holder, a certificate or certificates for the number of shares of Common Stock to which such holder shall be entitled as aforesaid. Such conversion shall be deemed to have been made immediately prior to the close of business on the date of such surrender of the shares of Preferred Stock to be converted, and the person or persons entitled to receive the shares of Common Stock issuable upon such conversion shall be treated for all

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purposes as the record holder or holders of such shares of Common Stock as of such date. To the extent permitted by law, automatic conversion of shares of Series A Preferred Stock and Series B Preferred Stock pursuant to subsection 4(b) shall be deemed to have been effected as of the date on which the event giving rise to such automatic conversion occurred (such time being the "Conversion Time"). The person entitled to receive certificates for the shares of Common Stock issued upon such conversion shall be treated for all purposes as the record holder of such shares of Common Stock at and as of the Conversion Time, and the right of the record owner of such converted shares of Series A Preferred Stock or Series B Preferred Stock as a holder thereof shall cease and terminate at and as of the Conversion Time, in each case without regard to any failure by the holder to deliver the certificates required by this subsection 4(c). If the conversion is in connection with an underwritten offering of securities registered pursuant to the Securities Act of 1933, the conversion may, at the option of any holder tendering Preferred Stock for conversion, be conditioned upon the closing with the underwriters of the sale of securities pursuant to such offering, in which event the person(s) entitled to receive the Common Stock upon conversion of the Preferred Stock shall not be deemed to have converted such Preferred Stock until immediately prior to the closing of such sale of securities.

(d) Conversion Price Adjustments Preferred Stock for Certain Dilutive Issuances, Splits and Combinations. The Conversion Price of the Series A Preferred Stock and Series B Preferred Stock shall be subject to adjustment from time to time as follows:

(i) (A) If the corporation shall issue, after the date upon which any shares of Series B Preferred Stock were first issued (the "Purchase Date"), any Additional Stock (as defined below) without consideration or for a consideration per share less than the Conversion Price for Series A Preferred Stock or Series B Preferred Stock in effect immediately prior to the issuance of such Additional Stock, the Conversion Price for such series in effect immediately prior to each such issuance shall forthwith (except as otherwise provided in this clause (i)) be adjusted to a price determined by multiplying such Conversion Price by a fraction, the numerator of which shall be the number of shares of Common Stock outstanding immediately prior to such issuance plus the number of shares of Common Stock that the aggregate consideration received by the corporation for such issuance would purchase at such Conversion Price; and the denominator of which shall be the number of shares of Common Stock outstanding immediately prior to such issuance plus the number of shares of such Additional Stock.

However, the foregoing calculation shall not take into account shares deemed issued pursuant to Section 4(d)(i)(E) on account of options, rights or convertible or exchangeable securities (or the actual or deemed consideration therefor), except to the extent (i) such options, rights or convertible or exchangeable securities have been exercised, converted or exchanged or (ii) the consideration to be paid upon such exercise, conversion or exchange per share of underlying Common Stock is less than or equal to the per share consideration for the Additional Stock which has given rise to the Conversion Price adjustment being calculated.

(B) No adjustment of the Conversion Price for the Series A Preferred Stock or Series B Preferred Stock shall be made in an amount less than one cent per share,

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provided that any adjustments which are not required to be made by reason of this sentence shall be carried forward and shall be either taken into account in any subsequent adjustment made prior to three (3) years from the date of the event giving rise to the adjustment being carried forward, or shall be made at the end of three (3) years from the date of the event giving rise to the adjustment being carried forward. Except to the limited extent provided for in subsections (E)(3) and (E)(4), no adjustment of such Conversion Price pursuant to this subsection 4(d)(i) shall have the effect of increasing the Conversion Price above the Conversion Price in effect immediately prior to such adjustment.

(C) In the case of the issuance of Common Stock for cash, the consideration shall be deemed to be the amount of cash paid therefor before deducting any reasonable discounts, commissions or other expenses allowed, paid or incurred by the corporation for any underwriting or otherwise in connection with the issuance and sale thereof.

(D) In the case of the issuance of the Common Stock for a consideration in whole or in part other than cash, the consideration other than cash shall be deemed to be the fair value thereof as determined by the Board of Directors irrespective of any accounting treatment.

(E) In the case of the issuance (whether before, on or after the applicable Purchase Date) of options to purchase or rights to subscribe for Common Stock, securities by their terms convertible into or exchangeable for Common Stock or options to purchase or rights to subscribe for such convertible or exchangeable securities, the following provisions shall apply for all purposes of this subsection 4(d)(i) and subsection 4(d)(ii):

(1) The aggregate maximum number of shares of Common Stock deliverable upon exercise of such options to purchase or rights to subscribe for Common Stock shall be deemed to have been issued at the time such options or rights were issued and for a consideration equal to the consideration (determined in the manner provided in subsections 4(d)(i)(C) and (d)(i)(D)), if any, received by the corporation upon the issuance of such options or rights plus the minimum exercise price provided in such options or rights for the Common Stock covered thereby.

(2) The aggregate maximum number of shares of Common Stock deliverable upon conversion of or in exchange for any such convertible or exchangeable securities or upon the exercise of options to purchase or rights to subscribe for such convertible or exchangeable securities and subsequent conversion or exchange thereof shall be deemed to have been issued at the time such securities were issued or such options or rights were issued and for a consideration equal to the consideration, if any, received by the corporation for any such securities and related options or rights (excluding any cash received on account of accrued interest or accrued dividends), plus the minimum additional consideration, if any, to be received by the corporation upon the conversion or exchange of such securities or the exercise of any related options or rights (the consideration in each case to be determined in the manner provided in subsections 4(d)(i)(C) and (d)(i)(D)).

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(3) In the event of any change in the number of shares of Common Stock deliverable or in the consideration payable to the corporation upon exercise of such options or rights or upon conversion of or in exchange for such convertible or exchangeable securities, including, but not limited to, a change resulting from the antidilution provisions thereof, the Conversion Price of the Series A Preferred Stock or Series B Preferred Stock, to the extent in any way affected by or computed using such options, rights or securities, shall be recomputed to reflect such change, but no further adjustment shall be made for the actual issuance of Common Stock or any payment of such consideration upon the exercise of any such options or rights or the conversion or exchange of such securities.

(4) Upon the expiration of any such options or rights, the termination of any such rights to convert or exchange or the expiration of any options or rights related to such convertible or exchangeable securities, the Conversion Price of the Series A Preferred Stock or Series B Preferred Stock, to the extent in any way affected by or computed using such options, rights or securities or options or rights related to such securities and without affecting any conversion prior to such expiration or termination, shall be recomputed to reflect the issuance of only the number of shares of Common Stock (and convertible or exchangeable securities which remain in effect) actually issued upon the exercise of such options or rights, upon the conversion or exchange of such securities or upon the exercise of the options or rights related to such securities.

(5) The number of shares of Common Stock deemed issued and the consideration deemed paid therefor pursuant to subsections 4(d)(i)(E)(1) and (2) shall be appropriately adjusted to reflect any change, termination or expiration of the type described in either subsection 4(d)(i)(E)(3) or (4).

(ii) "Additional Stock" shall mean any shares of Common Stock issued (or deemed to have been issued pursuant to subsection 4(d)(i)(E)) by the corporation after the Purchase Date other than

(A) Common Stock issued pursuant to a transaction described in subsection 4(d)(iii) hereof;

(B) shares of Common Stock issuable or issued to employees or consultants of the corporation directly or pursuant to a stock option plan or restricted stock plan approved by the stockholders and Board of Directors of the corporation;

(C) shares issued as a dividend or distribution on Preferred Stock;

(D) shares issued upon conversion of Preferred Stock pursuant to this Section 4;

(E) shares issued in connection with equipment lease or bank financing transactions approved by the Board of Directors of the corporation; or

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(F) shares of Common Stock issued or issuable (I) in a public offering before or in connection with which all outstanding shares of Preferred Stock will be converted to Common Stock or (II) upon exercise of warrants or rights granted to underwriters in connection with such a public offering.

(iii) In the event the corporation should at any time or from time to time after the date hereof fix a record date for the effectuation of a split or subdivision of the outstanding shares of Common Stock or the determination of holders of Common Stock entitled to receive a dividend or other distribution payable in additional shares of Common Stock or other securities or rights convertible into, or entitling the holder thereof to receive directly or indirectly, additional shares of Common Stock (hereinafter referred to as "Common Stock Equivalents") without payment of any consideration by such holder for the additional shares of Common Stock or the Common Stock Equivalents (including the additional shares of Common Stock issuable upon conversion or exercise thereof), then, as of such record date (or the date of such dividend distribution, split or subdivision if no record date is fixed), the Conversion Prices of the Series A Preferred Stock and Series B Preferred Stock shall be appropriately decreased so that the number of shares of Common Stock issuable on conversion of each share of such series shall be increased in proportion to such increase of the aggregate of shares of Common Stock outstanding and those issuable with respect to such Common Stock Equivalents.

(iv) If the number of shares of Common Stock outstanding at any time after the Purchase Date is decreased by a combination of the outstanding shares of Common Stock, then, following the record date of such combination, the Conversion Prices for the Series A Preferred Stock and Series B Preferred Stock shall be appropriately increased so that the number of shares of Common Stock issuable on conversion of each share of such series shall be decreased in proportion to such decrease in outstanding shares.

(c) Other Distributions. In the event the corporation shall declare a distribution payable in securities of other persons, evidences of indebtedness issued by the corporation or other persons, assets (excluding cash dividends) or options or rights not referred to in subsection 4(d)(iii), then, in each such case for the purpose of this subsection 4(c), the holders of the Series A Preferred Stock or Series B Preferred Stock shall be entitled to a proportionate share of any such distribution as though they were the holders of the number of shares of Common Stock of the corporation into which their shares of Series A Preferred Stock or Series B Preferred Stock are convertible as of the record date fixed for the determination of the holders of Common Stock of the corporation entitled to receive such distribution.

(f) Recapitalizations. If at any time or from time to time there shall be a recapitalization of the Common Stock (other than a subdivision, combination or merger or sale of assets transaction provided for elsewhere in this Section 4 or Section 2) provision shall be made so that the holders of the Series A Preferred Stock or Series B Preferred Stock shall thereafter be entitled to receive upon conversion of the Series A Preferred Stock or Series B Preferred Stock the number of shares of stock or other securities or property of the Company or otherwise, to which a holder of Common Stock deliverable upon conversion of such Series A Preferred Stock or Series B Preferred Stock would have been entitled on such recapitalization. In any such case, appropriate adjustment shall be made in the application of the provisions of this Section 4 with

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respect to the rights of the holders of the Series A Preferred Stock or Series B Preferred Stock after the recapitalization to the end that the provisions of this Section 4 (including adjustment of the Conversion Price then in effect and the number of shares purchasable upon conversion of the Series A Preferred Stock or Series B Preferred Stock) shall be applicable after that event as nearly equivalent as may be practicable.

(g) No Impairment. The corporation will not, by amendment of its Certificate of Incorporation or through any reorganization, recapitalization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms to be observed or performed hereunder by the corporation, but will at all times in good faith assist in the carrying out of all the provisions of this Section 4 and in the taking of all such action as may be necessary or appropriate in order to protect the Conversion Rights of the holders of the Series A Preferred Stock or Series B Preferred Stock against impairment.

(h) No Fractional Shares and Certificate as to Adjustments.

(i) No fractional shares shall be issued upon the conversion of any share or shares of the Series A Preferred Stock or Series B Preferred Stock, and the number of shares of Common Stock to be issued shall be rounded to the nearest whole share. Whether or not fractional shares are issuable upon such conversion shall be determined on the basis of the total number of shares of Series A Preferred Stock or Series B Preferred Stock the holder is at the time converting into Common Stock and the number of shares of Common Stock issuable upon such aggregate conversion.

(ii) Upon the occurrence of each adjustment or readjustment of the Conversion Price of Series A Preferred Stock or Series B Preferred Stock pursuant to this Section 4, the corporation, at its expense, shall promptly compute such adjustment or readjustment in accordance with the terms hereof and prepare and furnish to each holder of Series A Preferred Stock or Series B Preferred Stock a certificate setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment or readjustment is based. The corporation shall, upon the written request at any time of any holder of Series A Preferred Stock or Series B Preferred Stock, furnish or cause to be furnished to such holder a like certificate setting forth (A) such adjustment and readjustment, (B) the Conversion Price for such series of Series A Preferred Stock or Series B Preferred Stock at the time in effect, and (C) the number of shares of Common Stock and the amount, if any, of other property which at the time would be received upon the conversion of a share of Series A Preferred Stock or Series B Preferred Stock.

(i) Notices of Record Date. In the event of any taking by the corporation of a record of the holders of any class of securities for the purpose of determining the holders thereof who are entitled to receive any dividend (other than a cash dividend) or other distribution, any right to subscribe for, purchase or otherwise acquire any shares of stock of any class or any other securities or property, or to receive any other right, the corporation shall mail to each holder of Series A Preferred Stock or Series B Preferred Stock, at least 20 days prior to the date specified therein, a notice specifying the date on which any such record is to be taken for the purpose of

such dividend, distribution or right, and the amount and character of such dividend, distribution or right.

(j) Reservation of Stock Issuable Upon Conversion. The corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock, solely for the purpose of effecting the conversion of the shares of the Series A Preferred Stock, such number of its shares of Common Stock as shall from time to time be sufficient to effect the conversion of all outstanding shares of the Series A Preferred Stock and Series B Preferred Stock; and if at any time the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Series A Preferred Stock and Series B Preferred Stock, in addition to such other remedies as shall be available to the holder of such Series A Preferred Stock or Series B Preferred Stock, the corporation will take such corporate action as may, in the opinion of its counsel, be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes, including, without limitation, engaging in best efforts to obtain the requisite stockholder approval of any necessary amendment to these articles.

(k) Notice. Any notice required by the provisions of this Section 4 to be given to the holders of shares of Series A Preferred Stock or Series B Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at his address appearing on the books of the corporation or upon personal delivery or delivery by courier at such address.

5. (a) Voting Rights. The holder of each share of Series A Preferred Stock or Series B Preferred Stock shall have the right to one vote for each share of Common Stock into which such holder's shares of Series A Preferred Stock or Series B Preferred Stock could then be converted, and with respect to such vote, such holder shall have full voting rights and powers equal to the voting rights and powers of the holders of Common Stock, and shall be entitled, notwithstanding any provision hereof, to notice of any stockholders' meeting in accordance with the Bylaws of this corporation, and shall be entitled to vote, together with holders of Common Stock, with respect to any question upon which holders of Common Stock have the right to vote. Fractional votes shall not, however, be permitted and any fractional voting rights available on an as-converted basis (after aggregating all shares into which shares of Series A Preferred Stock or Series B Preferred Stock held by each holder could be converted) shall be rounded to the nearest whole number (with one-half being rounded upward).

(b) Voting for Election of Directors. As long as a majority of the shares of the Series A Preferred Stock or Series B Preferred Stock originally issued remain outstanding, the holders of such shares of Series A Preferred Stock and Series B Preferred Stock, voting as separate series and on an as-converted basis, shall each be entitled to elect one (1) director of this corporation at each annual election of directors. The holders of Series A Preferred Stock, Series B Preferred Stock and Common Stock (voting together as a single class and not as separate series, and on an as-converted basis) shall be entitled to elect any remaining directors of this Corporation. In the case of any vacancy (other than a vacancy caused by removal) in the office of a director occurring among the directors elected by the holders of a class or series of stock

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pursuant to this Section 5(b), the remaining directors so elected by that class or series may by affirmative vote of a majority thereof (or the remaining director so elected if there be but one, or if there are no such directors remaining, by the affirmative vote of the holders of a majority of the shares of that class or series), elect a successor or successors to hold office for the unexpired term of the director or directors whose place or places shall be vacant. Any director who shall have been elected as provided in the immediately preceding sentence hereof may be removed during the aforesaid term of office, either with or without cause, by, and only by, the affirmative vote of the holders of a majority of the shares of the class or series of stock entitled to elect such director or directors, given either at a special meeting of such stockholders fully called for that purpose or pursuant to a written consent of stockholders, and any vacancy thereby created may be filled by the holders of that class or series of stock represented at the meeting or pursuant to unanimous written consent.

6. Protective Provisions. (a) Subject to the rights of series of Preferred Stock which may from time to time come into existence, as long as a majority of the shares of Series A Preferred Stock and Series B Preferred Stock originally issued remain outstanding, this corporation shall not, without first obtaining the approval (by vote or written consent, as provided by law) of the holders of Series A Preferred Stock and Series B Preferred Stock that are entitled, other than solely by law, to vote with respect to the matter and that hold at least a majority of the voting power of the then outstanding shares of Series A Preferred Stock and Series B Preferred Stock voting together as a single class on an as-converted basis:

(i) sell, convey, or otherwise dispose of or encumber all or substantially all of its property or business or merge into or consolidate with any other corporation (other than a wholly-owned subsidiary corporation) or effect any transaction or series of related transactions in which the corporation's stockholders of record as constituted immediately prior to such transaction hold, immediately after such transaction, less than 50% of the voting power of the surviving or acquiring entity; or

(ii) redeem, purchase or otherwise acquire (or pay into or set aside for a sinking fund for such purpose) any share or shares of Common Stock; provided, however, that this restriction shall not apply to the repurchase of shares of Common Stock from employees, officers, directors, consultants or other persons performing services for the Company or any subsidiary pursuant to agreements under which the Company has the option to repurchase such shares at cost or at cost upon the occurrence of certain events, such as the termination of employment.

(b) Subject to the rights of series of Preferred Stock which may from time to time come into existence this corporation shall not, without first obtaining the approval (by vote or written consent, as provided by law) of the holders of Series A Preferred Stock and Series B Preferred Stock that are entitled to vote with respect to the matter and that hold at least a majority of the then outstanding shares of Series A Preferred Stock and Series B Preferred Stock voting as separate series:

(i) alter or change the rights, preferences or privileges of the shares of Preferred Stock so as to affect adversely such shares;

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(ii) increase or decrease (other than by conversion) the total number of authorized shares of Series A Preferred Stock or Series B Preferred Stock; or

(iii) authorize or issue, or obligate itself to issue, any other equity security, including any other security convertible into or exercisable for any equity security (i) having a preference over, or being on a parity with, the Series A Preferred Stock or Series B Preferred Stock with respect to voting, dividends or upon liquidation, or (ii) having rights similar to any of the rights of the Series A Preferred Stock or Series B Preferred Stock under this Section 6;

provided, however, the right of a separate series vote, except as otherwise provided by law, shall terminate if a majority of the shares of such series originally issued shall cease to be outstanding.

7. Status of Converted Stock. In the event any shares of Series A Preferred Stock or Series B Preferred Stock shall be converted pursuant to Section 4 hereof, the shares so converted shall be canceled and shall not be issuable by this corporation. The Certificate of Incorporation of this corporation shall be appropriately amended to effect the corresponding reduction in this corporation's authorized capital stock.

(C) Common Stock. The rights, preferences, privileges and restrictions granted to and imposed on the Common Stock are as set forth below in this Article IV(C).

1. Dividend Rights. Subject to the prior rights of holders of all classes of stock at the time outstanding having prior rights as to dividends, the holders of the Common Stock shall be entitled to receive, when and as declared by the Board of Directors, out of any assets of this corporation legally available therefor, such dividends as may be declared from time to time by the Board of Directors.

2. Liquidation Rights. Upon the liquidation, dissolution or winding up of this corporation, the assets of this corporation shall be distributed as provided in Section 2 of Division (B) of this Article IV hereof.

3. Redemption. The Common Stock is not redeemable.

4. Voting Rights. The holder of each share of Common Stock shall have the right to one vote for each such share, and shall be entitled to notice of any stockholders' meeting in accordance with the Bylaws of this corporation, and shall be entitled to vote upon such matters and in such manner as may be provided by law.

ARTICLE V

A director of this corporation shall, to the fullest extent permitted by the General Corporation Law as it now exists or as it may hereafter be amended, not be personally liable to this corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, except for liability (i) for any breach of the director's duty of loyalty to this corporation or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional

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misconduct or a knowing violation of law, (iii) under Section 174 of the General Corporation Law, or (iv) for any transaction from which the director derived any improper personal benefit. If the General Corporation Law is amended, after approval by the stockholders of this Article VI, to authorize corporate action further eliminating or limiting the personal liability of directors, then the liability of a director of this corporation shall be eliminated or limited to the fullest extent permitted by the General Corporation Law, as so amended.

Any amendment, repeal or modification of this Article VI, or the adoption of any provision of this Amended and Restated Certificate of Incorporation inconsistent with this Article VI by the stockholders of this corporation shall not apply to or adversely affect any right or protection of a director of this corporation existing at the time of such amendment, repeal, modification or adoption.

ARTICLE VI

To the fullest extent permitted by applicable law, this corporation is authorized to provide indemnification of (and advancement of expenses to) agents of this corporation (and any other persons to which Delaware law permits this corporation to provide indemnification) through bylaw provisions, agreements with such agents or other persons, vote of stockholders or disinterested directors or otherwise, in excess of the indemnification and advancement otherwise permitted by Section 145 of the Delaware General Corporation Law, subject only to limits created by applicable Delaware law (statutory or non-statutory), with respect to actions for breach of duty to this corporation, its stockholders, and others.

ARTICLE VII

This corporation reserves the right to adopt, amend, alter, supplement, rescind or repeal in any respect any provision contained in this Amended and Restated Certificate of Incorporation, in the manner now or hereafter prescribed by statute or applicable law, and all rights conferred upon stockholders herein are granted subject to this reservation.

ARTICLE VIII

The Board of Directors may from time to time adopt, amend, alter, supplement, rescind or repeal any or all of the Bylaws of this corporation without any action on the part of the stockholders; provided, however, that the stockholders may adopt, amend or repeal any Bylaw adopted by the Board of Directors, and no amendment or supplement to the Bylaws adopted by the Board of Directors shall vary or conflict with any amendment or supplement adopted by the stockholders.

ARTICLE IX

The number of directors of this corporation shall be set from time to time by resolution of the Board of Directors.

ARTICLE X

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Elections of directors need not be by written ballot unless the Bylaws of this corporation shall so provide.

ARTICLE XI

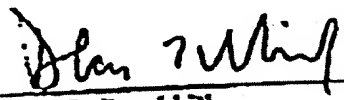
Meetings of stockholders may be held within or without the State of Delaware, as the Bylaws may provide. The books of this corporation may be kept (subject to any statutory requirements) outside the State of Delaware at such place or places as may be designated from time to time by the Board of Directors or in the Bylaws of this corporation.

THIRD: The foregoing amendment and restatement was approved by the holders of the requisite number of shares of said corporation in accordance with Section 228 of the General Corporation Law.

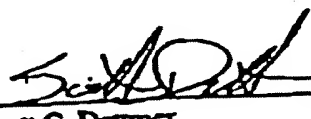
FOURTH: That said amendment and restatement was duly adopted in accordance with the provisions of Section 242 and 245 of the General Corporation Law.

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IN WITNESS WHEREOF, this Fourth Amended and Restated Certificate of Incorporation has been signed by the President and Secretary of this corporation this 12th day of August, 1997.



Douglas L. Brackbill
President



Scott C. Detmer
Secretary